Figure 1. ASCMS Block Diagram

User alert alarm to help desk

Notify WF to draw from site supply

Req'd Four Functions

7 Activate alarm at help desk — no / yes

Where coming from / date expected

6 Search warehouse(s), other squadrons, supply ships, OEM, depot, ICP, DLA, legacy DBs, alternate sources — yes / no

Serviceable spare

5 Spare at site supply — yes / no

Serviceable spare

OEM repair — DVD

Dep't repair — DVD

Pack & retro ship order

11 DVD ship order

12 Fleet-wide mission capability rate; MDPE %; FLIS; chain performance rate; inventory forecasting; trend analysis; metrics; budget; FRACAS; SCOR; TAT; provisioning; repair history; COTS tools; suppliers; diagnostics status; GIDM; LINK DoDEMALL, etc.

Help desk data

Storage location / shipping order

9 Storage location / shipping order

Human intervention / expedited transportation / assets history

A Locate requisitioned asset

Priority ranked & usable-on-codes

B Where does retrograde go to?

C Where does replenishment go to?

D Transportation method

8 Confirm spare shipped, picked up

4 CM; LSAR / LM; ETM; & R&M DBs

10 SM&R code

CAGE — Yes

Affordable priority, timely, available transportation

Authorized shippers — Affordable timely, available transportation

Authorized shippers — Priority affordable, available transportation

DSIS

SCM Modules

TAV Module

Retrograde Module

Routing Module

Records / Tools Module

Surge Priority Ranking Module

External Legacy SCM systems

Spare installed

3 OBP DCM — Veh.-PDCM / user — Sends failure code via OBP/DCM to ASCMS via DSIS: Tail #; P/N; CAGE; S/N; & Ref. Desig.

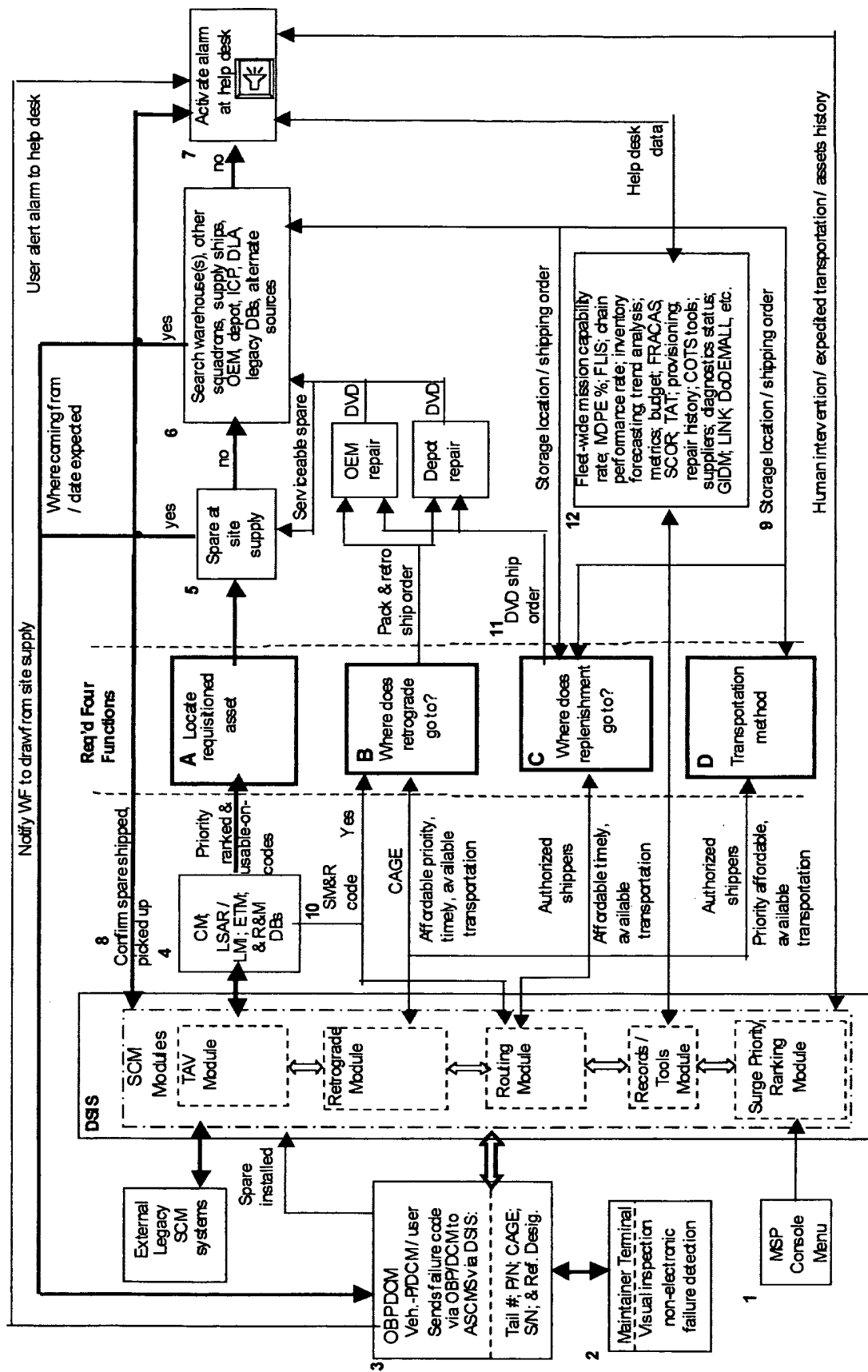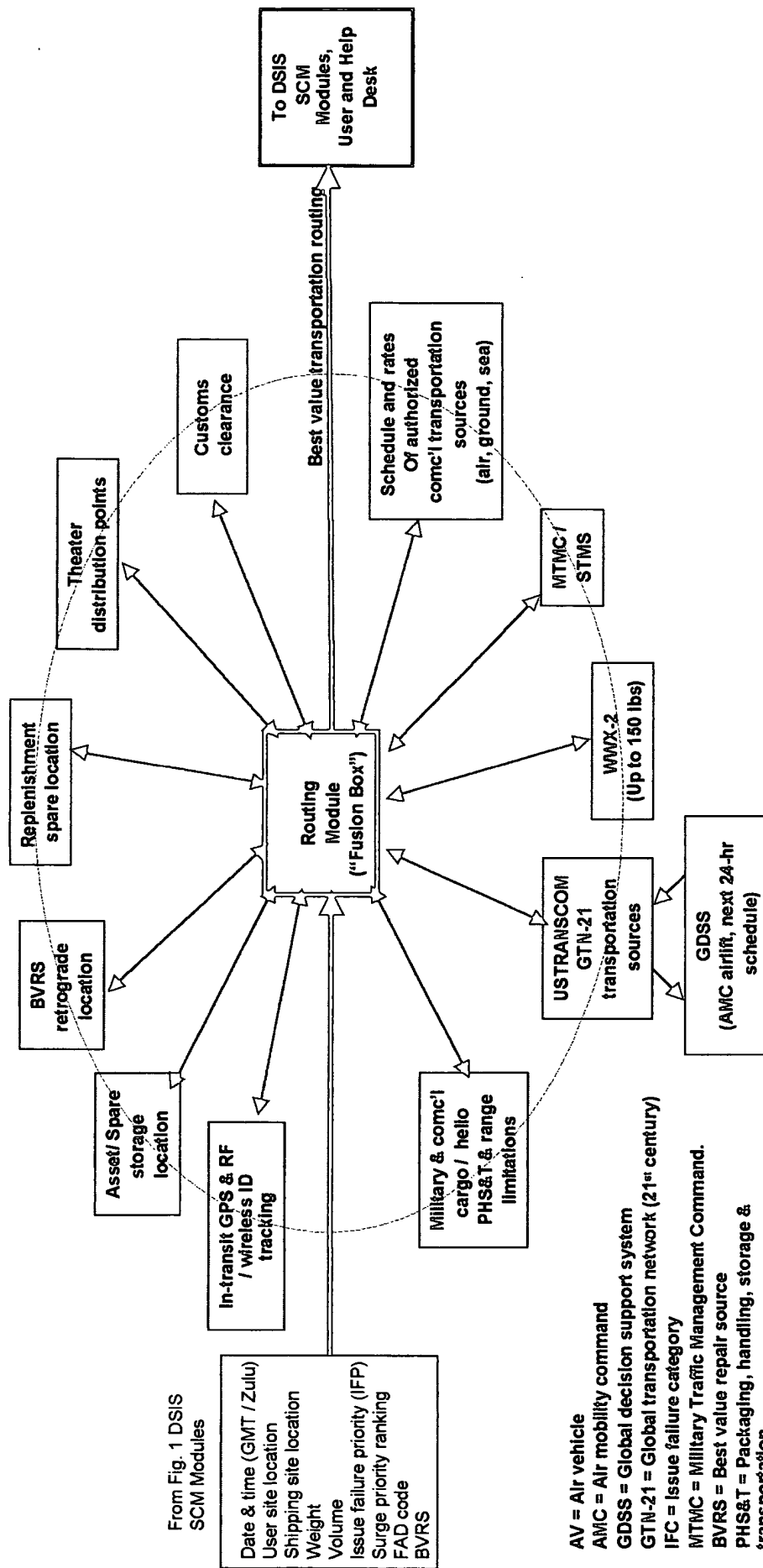**2** Maintainer Terminal — Visual inspection non-electronic failure detection

1 MSP Console Menu

Basic Premise – An asset (spare / consumable / repair part) is provided upon request and replenished; it is only retrograded to a BVRS if it's SM&R code indicates it's repairable.

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Figure 2. TDDS Transportation Routing

To DSIS SCM Modules, User and Help Desk

Best value transportation routing

Routing Module ("Fusion Box")

Theater distribution points

Customs clearance

Schedule and rates Of authorized comc'l transportation sources (air, ground, sea)

MTMC / STMS

WWX-2 (Up to 150 lbs)

USTRANSCOM GTN-21 transportation sources

GDSS (AMC airlift, next 24-hr schedule)

Military & comc'l cargo / hello PHS&T & range limitations

Replenishment spare location

BVRS retrograde location

Asset/ Spare storage location

In-transit GPS & RF / wireless ID tracking

From Fig. 1 DSIS SCM Modules

Date & time (GMT / Zulu)
User site location
Shipping site location
Weight
Volume
Issue failure priority (IFP)
Surge priority ranking
FAD code
BVRS

AV = Air vehicle
AMC = Air mobility command
GDSS = Global decision support system
GTN-21 = Global transportation network (21st century)
IFC = Issue failure category
MTMC = Military Traffic Management Command.
BVRS = Best value repair source
PHS&T = Packaging, handling, storage & transportation
SCMS = Supply chain management system
STMS = Surface Transportation Management System
WWX-2 WorldWide Express (UPS, DHL, FedEx)

PHS&T Basic Premise – Storage assets for distribution to a user shall be packed & packaged ready to pick and ship, except for common hardware and bulk items which are packed when requisitioned.

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